

Appendix A

Abbreviations and Acronyms

AA	Ambient air
AATCC	American Association of Textile Chemists and Colorists
ABA	Absciscic acid
ADP	Adenosine diphosphate
AH ₂	Ascorbic acid
AIRS	Aerometric Information Retrieval System
ATP	Adenosine triphosphate
ATR	Attenuated total reflectance
C	Concentration
CEC	Controlled environmental chamber
CF	Charcoal or carbon filtered
CO ₂	Carbon dioxide
CSTR	Continuous stirred tank reactor
cv.	Cultivar
CVM	Contingent valuation method
dbh	Diameter at breast height
DLA	Damaged-leaf area
DNA	Deoxyribonucleic acid
EDU	Ethylene diurea
EPA	U.S. Environmental Protection Agency
GSH	Glutathione
2HDM	Second-highest daily maximum 1-h concentration
HF	Hydrogen fluoride
HNO ₂	Nitrous acid
HNO ₃	Nitric acid
H ₂ O ₂	Hydrogen peroxide
IR	Isoprene rubber
K	Mass transfer coefficient
ks	Mean diffusive conductance

M7	Seven-hour mean exposure
M12	Twelve-hour mean exposure
M24	Twenty-four-hour mean exposure
MgCl ₂	Magnesium chloride
n	Number
N ₂	Elementary nitrogen
NA	Not applicable
NAAQS	National Ambient Air Quality Standards
NAPAP	National Acid Precipitation Assessment Program
NCLAN	National Crop Loss Assessment Network
NF	Nonfiltered
NH ₃	Ammonia
no.	Number
NO	Nitric oxide
NO ₂	Nitrogen dioxide
N ₂ O ₅	Nitrogen pentoxide
NO _x	Nitrogen oxides
NR	Natural rubber
O ₃	Ozone
OTC	Open-top chamber
p	Probability
PAN	Peroxyacetyl nitrate
PANs	Peroxyacyl nitrates
PAR	Photosynthetically active radiation
pH	Hydrogen ion concentration
p.h.r.	Parts per hundred of rubber, by weight
PIPP	<i>N</i> -phenyl- <i>N</i> -isopropyl- <i>p</i> -phenylenediamine
Pn	Net photosynthesis
PRYL	Predicted relative yield loss
PST	Pacific Standard Time
RFL	Resorcinal-formaldehyde latex
RH	Relative humidity
ROPIS	Response of Plants to Interacting Stresses
SAR	Simulated acid rain
SAROAD	Storage and Retrieval of Aerometric Data (U.S. Environmental Protection Agency centralized database; superseded by

	Aerometric Information Retrieval System)
SD	Standard deviation
SIGMOID	An index using a sigmoidal weighting function
SMD	Soil moisture deficit
SO ₂	Sulfur dioxide
SOD	Superoxide dismutase
SUM00	Sum of all hourly average concentrations
SUM06	Seasonal sum of all hourly average concentrations □0.06 ppm
SUM07	Seasonal sum of all hourly average concentrations □0.07 ppm
SUM08	Seasonal sum of all hourly average concentrations □0.08 ppm
SUM10	Seasonal sum of all hourly average concentrations □0.10 ppm
T	Time
TVMV	Tobacco vein mottling virus
UV	Ultraviolet
UV-B	Ultraviolet radiation of wavelengths from 280 to 320 nm
VPD	Vapor-pressure deficit
WTA	Willingness to accept
WTP	Willingness to pay
WUE	Water-use efficiency
W126	An index using a sigmoidal weighting function
ZAPS	Zonal Air Pollution System